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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/518,782

03/03/2000

Kouya Tochikubo

04329.22444

7469

22852

7590

06/20/2006

FINNEGAN, HENDERSON, FARABOW, GARRETT & DUNNER  
LLP

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WASHINGTON, DC 20001-4413

EXAMINER

BROWN, CHRISTOPHER J

ART UNIT

PAPER NUMBER

2134

DATE MAILED: 06/20/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Supplemental  
Notice of Allowability**

Application No.

09/518,782

Examiner

Christopher J. Brown

Applicant(s)

TOCHIKUBO ET AL.

Art Unit

2134

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/10/2006.
2. ☒ The allowed claim(s) is/are 4,5,7-13 and 17-24.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 11/15/2005
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 6/12/06
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

*Jacques H. Louis*  
**JACQUES H. LOUIS**  
PRIMARY EXAMINER

## **SUPPLEMENTAL DETAILED ACTION**

### ***Information Disclosure Statement***

The IDS filed 11/15/2005 has been considered by the examiner.

### ***Allowable Subject Matter***

The following is an examiner's statement of reasons for allowance: Claims 9, 22, and 23 appear to be allowable over the prior art of record.

As per claims 9, 22, and 23, Barrett US 5,199,069 in view of Masuda US 2003/0046564 in view of Brundrett US 6,249,866, in view of Epstein US 6,694,025

The combination fails to teach a "key information storage section for storing and outputting the encrypted encryption/decryption key designated by the control section to be used for cryptographic communication and an encrypted key used for decrypting the encrypted cryptographic algorithm", with a "key information decryption section for decrypting the encrypted encryption/decryption key used for cryptographic communication and the encrypted key used for decrypting the encrypted cryptographic

algorithm to create an encryption/decryption key used for cryptographic communication and a decryption key used for decrypting the encrypted algorithm”

Barrett teaches a cryptographic terminal with stored encrypted algorithms, but does not teach a “key information storage section for storing and outputting the encrypted encryption/decryption key designated by the control section to be used for cryptographic communication and an encrypted key used for decrypting the encrypted cryptographic algorithm”

Masuda teaches a method of decrypting an algorithm but does not teach key information storage section for storing and outputting the encrypted encryption/decryption key designated by the control section to be used for cryptographic communication and an encrypted key used for decrypting the encrypted cryptographic algorithm

Brundrett teaches an encryption key that is encrypted but does not teach key information storage section for storing and outputting the encrypted encryption/decryption key designated by the control section to be used for cryptographic communication and an encrypted key used for decrypting the encrypted cryptographic algorithm

Epstein teaches a network with encrypted public and private keys but does not teach key information storage section for storing and outputting the encrypted encryption/decryption key designated by the control section to be used for cryptographic

communication and an encrypted key used for decrypting the encrypted cryptographic algorithm

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher J. Brown whose telephone number is (571)272-3833. The examiner can normally be reached on 8:30-6:00.

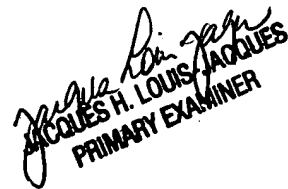
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jaques Louis Jaques can be reached on (571)272-6962. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Christopher J. Brown

6/13/06



JACQUES H. LOUIS-JACQUES  
PRIMARY EXAMINER